RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:

Source:

Date Processed by STIC:

ENTERED



IFWO

RAW SEQUENCE LISTING DATE: 02/17/2005 PATENT APPLICATION: US/10/649,433C TIME: 15:12:08

Input Set: A:\YFPGGFP Sequence.ST25.txt
Output Set: N:\CRF4\02172005\J649433C.raw

3 <110> APPLICANT: Schultz, Jerome S.

```
5 <120> TITLE OF INVENTION: System and Method for Detecting Bioanalytes and Method for
 6
         Producing a Bioanalyte Sensor
 8 <130> FILE REFERENCE: 03-016
10 <140> CURRENT APPLICATION NUMBER: 10/649,433C
11 <141> CURRENT FILING DATE: 2003-08-26
13 <160> NUMBER OF SEQ ID NOS: 1
15 <170> SOFTWARE: PatentIn version 3.3
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 6729
19 <212> TYPE: DNA
20 <213> ORGANISM: Escherichia coli
22 <400> SEQUENCE: 1
23 gtttgacage ttatcatega etgeaeggtg caccaatget tetggegtea ggeagecate
                                                                          60
                                                                         120
25 ggaagetgtg gtatggetgt geaggtegta aateaetgea taattegtgt egeteaagge
                                                                         180
27 gcactcccgt tctggataat gttttttgcg ccgacatcat aacggttctg gcaaatattc
29 tgaaatgagc tgttgacaat taatcatccg gctcgtataa tgtgtggaat tgtgagcgga
                                                                         240
31 taacaatttc acacaggaaa cagcgccgct gagaaaaagc gaagcggcac tgctctttaa
                                                                         300
                                                                         360
33 caatttatca gacaatctgt gtgggcactc gaccggaatt atcgattaac tttattatta
                                                                         420
35 aaaattaaag aggtatatat taatgtatcg attaaataag gaggaataaa ccatggtgag
                                                                         480
37 caagggcgag gagctgttca ccggggtggt gcccatcctg gtcgagctgg acggcgacgt
                                                                         540
39 aaacggccac aagttcagcg tgtccggcga gggcgagggc gatgccacct acggcaagct
                                                                         600
41 gaccetgaag tteatetgea ceaeeggeaa getgeeegtg ceetggeeea eeetegtgae
                                                                         660
43 caccttegge tacggeetge agtgettege eegetaceee gaccacatga ageageaega
                                                                         720
45 cttcttcaag teegeeatge eegaaggeta egteeaggag egeaceatet tettcaagga
                                                                         780
47 cgacggcaac tacaagaccc gcgccgaggt gaagttcgag ggcgacaccc tggtgaaccg
                                                                         840
49 catcgagetg aagggcatcg acttcaagga ggacggcaac atcctggggc acaagctgga
                                                                         900
51 gtacaactac aacagccaca acgtctatat catggccgac aagcagaaga acggcatcaa
                                                                         960
53 ggtgaactte aagateegee acaacatega ggaeggeage gtgeageteg eegaeeacta
                                                                        1020
55 ccagcagaac acccccatcg gcgacggccc cgtgctgctg cccgacaacc actacctgag
                                                                        1080
57 ctaccagtcc gccctgagca aagaccccaa cgagaagcgc gatcacatgg tcctgctgga
                                                                        1140
59 gttcgtgacc gccgccggga tcactctcgg catggacgag ctgtacaaga ctagtgctga
61 tactcgcatt ggtgtaacaa tctataagta cgacgataac tttatgtctg tagtgcgcaa
                                                                        1200
63 ggctattgag caagatgcga aagccgcgcc agatgttcag ctgctgatga atgattctca
                                                                        1260
65 gaatgaccag tccaagcaga acgatcagat cgacgtattg ctggccaagg gggtgaaggc
                                                                        1320
67 actggccatc aacctggttg acccggcagc tgcgggtacg gtgattgaga aagcgcgtgg
                                                                        1380
69 gcaaaacgtg ccggtggttt tcttcaacaa agaaccgtct cgtaaggcgc tggatagcta
                                                                        1440
                                                                        1500
71 cgacaaagcc tactacgttg gcactgactc aaaagagtcc ggcattattc aaggcgattt
                                                                        1560
73 gattgctaaa cactgggcgg cgaatcaggg ttgggatctg aacaaagacg gtcagattca
                                                                        1620
75 gttcgtactg ctgaaaggtg aaccgggcca tccggatgca gaagcacgta ccacttacgt
                                                                        1680
77 gattaaagaa ttgaacgata aaggcatcaa aactgaacag ttacagttag ataccgcaat
                                                                        1740
79 gtqqqacacc gctcaggcga aagataaqat qqacgcctgg ctgtctgqcc cqaacgccaa
                                                                        1800
81 caaaatcgaa gtggttatcg ccaacaacga tgcgatggca atgggcgcgg ttgaagcgct
```

DATE: 02/17/2005

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/649,433C TIME: 15:12:08

Input Set : A:\YFPGGFP Sequence.ST25.txt
Output Set: N:\CRF4\02172005\J649433C.raw

83 gaaagcaca	ac aacaagtcca	gcattccggt	gtttggcgtc (gatgcgctgc (cagaagcgct	1860
85 ggcgctgg	tg aaatccggtg	cactggcggg	caccgtactg -	aacgatgcta -	acaaccaggc	1920
	cc tttgatctgg					1980
89 caactgga	aa atcgacaaca	aagtggtccg	cgtaccttat	gttggcgtag .	ataaagacaa	2040
	aa ttcagcaaga					2100
93 cccaattc	tt gttgaattag	atggtgatgt	taatqqqcac	aaattttctg	tcagtggaga	2160
	gt gatgcaacat					2220
	tt ccatggccaa					2280
99 ccgttatc	cg gatcatatga	aacggcatga	ctttttcaag	agtgccatgc	ccgaaggtta	2340
	gaa cgcactatat					2400
	gaa ggtgataccc					2460
	aac attctcggac					2520
107 cacagoa	gac aaacaaaaga	atggaatcaa	agctaacttc	aaaattcgcc	acaacattga	2580
109 agatgga	tcc gttcaactag	r cagaccatta	tcaacaaaat	actccaattq	gcgatggccc	2640
	tta ccagacaacc					2700
	cgt gaccacatgg					2760
	gag ctctacaaat					2820
117 ctggat	gcg ccgtcgacca	tcatcatcat	catcattgag	tttaaacggt	ctccagcttg	2880
	tgg cggatgagag					2940
121 geografict	gat aaaacagaat	ttacctaacc	. georgaeaca	gataataca	cctgacccca	3000
121 gcggccc	ctc agaagtgaaa	caccatages	, gcagtagege , ccaataataa	tataggatet	cccatacaa	3060
125 cyccydd	gaa ctgccaggca	t cacataaaa	cassagacte	agtcgaaaga	ctagaccttt	3120
	tct gttgtttgtc					3180
	acg ttgcgaagca					3240
	atc aaattaagca					3300
	ttg tttatttttc					3360
	aat gcttcaataa					3420
	tat toocttttt					3480
	agt aaaagatgct					3540
	agt aaaagatget cag cggtaagatc					3600
						3660
	taa agttctgcta					3720
	tcg ccgcatacac					3780
	tct tacggatggc					3840
	cac tgcggccaac					3900
151 ctttttt	gca caacatgggg	g gatcatgtaa	ctcgccttga	tegitgggaa	ccggagetga	3960
153 atgaagc	cat accaaacgad	gagegtgaea	ccacgatgee	tgtagcaatg	gcaacaacgt	4020
155 tgcgcaa	act attaactggo	gaactactta	ctctagcttc	ccggcaacaa	ttaatagact	4020
157 ggatgga	ggc ggataaagtt	gcaggaccad	ttctgcgctc	ggcccttccg	getggetggt	
	tga taaatctgga					4140
	tgg taagccctco					4200
163 tggatga	acg aaatagacag	g atcgctgaga	a taggtgcctc	actgattaag	cattggtaac	4260
165 tgtcaga	cca agtttactca	a tatatacttt	: agattgattt	aaaacttcat	ttttaattta	4320
167 aaaggat	cta ggtgaagato	c ctttttgata	atctcatgac	caaaatccct	taacgtgagt	4380
169 tttcgtt	cca ctgagcgtca	a gaccccgtag	g aaaagatcaa	aggatcttct	tgagatcctt	4440
171 tttttct	gcg cgtaatctgo	c tgcttgcaaa	caaaaaaacc	accgctacca	gcggtggttt	4500
	gga tcaagagcta					4560
	aaa tactgtcctt					4620
	gcc tacataccto					4680
179 ataagtc	gtg tcttaccggg	g ttggactcaa	a gacgatagtt	accggataag	gcgcagcggt	4740

RAW SEQUENCE LISTING

DATE: 02/17/2005 TIME: 15:12:08 PATENT APPLICATION: US/10/649,433C

Input Set : A:\YFPGGFP Sequence.ST25.txt Output Set: N:\CRF4\02172005\J649433C.raw

181	cgggctgaac	ggggggttcg	tgcacacagc	ccagcttgga	gcgaacgacc	tacaccgaac	4800
183	tgagatacct	acagcgtgag	ctatgagaaa	gcgccacgct	tcccgaaggg	agaaaggcgg	4860
185	acaggtatcc	ggtaagcggc	agggtcggaa	caggagagcg	cacgagggag	cttccagggg	4920
187	gaaacgcctg	gtatctttat	agtcctgtcg	ggtttcgcca	cctctgactt	gagcgtcgat	4980
189	ttttgtgatg	ctcgtcaggg	gggcggagcc	tatggaaaaa	cgccagcaac	gcggcctttt	5040
191	tacggttcct	ggccttttgc	tggccttttg	ctcacatgtt	ctttcctgcg	ttatcccctg	5100
193	attctgtgga	taaccgtatt	accgcctttg	agtgagctga	taccgctcgc	cgcagccgaa	5160
195	cgaccgagcg	cagcgagtca	gtgagcgagg	aagcggaaga	gcgcctgatg	cggtattttc	5220
197	tccttacgca	tctgtgcggt	atttcacacc	gcatatggtg	cactctcagt	acaatctgct	5280
199	ctgatgccgc	atagttaagc	cagtatacac	tccgctatcg	ctacgtgact	gggtcatggc	5340
201	tgcgccccga	cacccgccaa	cacccgctga	cgcgccctga	cgggcttgtc	tgctcccggc	5400
203	atccgcttac	agacaagctg	tgaccgtctc	cgggagctgc	atgtgtcaga	ggttttcacc	5460
205	gtcatcaccg	aaacgcgcga	ggcagcagat	caattcgcgc	gcgaaggcga	agcggcatgc	5520
			atggtgcaaa				5580
			ggtgaatgtg				5640
			gaccgtttcc				5700
213	gcgaaaacgc	gggaaaaagt	ggaagcggcg	atggcggagc	tgaattacat	tcccaaccgc	5760
			caaacagtcg				5820
			aattgtcgcg				5880
			ggtagaacga				5940
			cgtcagtggg	_			6000
			tgcctgcact				6060
			tattatttc				6120
			tcaccagcaa				6180
			ggctggctgg				6240
			cgactggagt				6300
			tcccactgcg				6360
			cgagtccggg				6420
			cagctcatgt				6480
			aaccagcgtg				6540
			gttgcccgtc				6600
	_	_	tccccgcgcg				6660
		gactggaaag	cgggcagtga	gcgcaacgca	attaatgtga	gttagcgcga	6720
247	attgatctg						6729

VERIFICATION SUMMARY

DATE: 02/17/2005

PATENT APPLICATION: US/10/649,433C

TIME: 15:12:09

Input Set : A:\YFPGGFP Sequence.ST25.txt Output Set: N:\CRF4\02172005\J649433C.raw